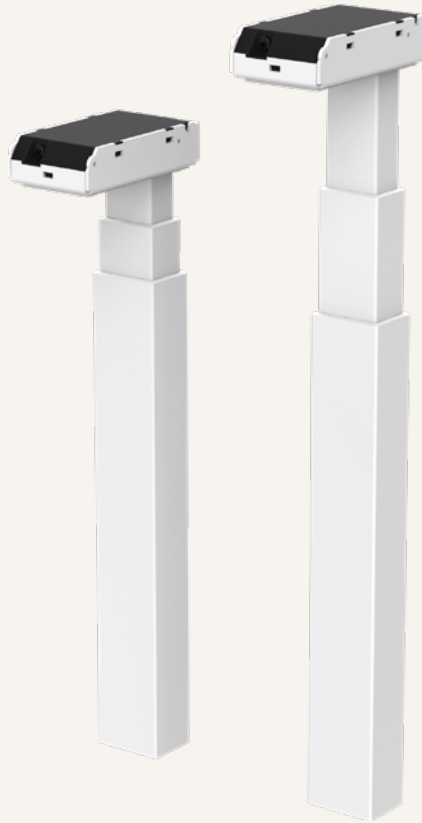


# TFL10

## series



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### Product Segments

#### • Ergo Motion

Introducing TiMOTION's TFL10, a high-speed lifting column solution designed for a variety of ergonomic height-adjustable applications. Experience swift and seamless position adjustments with unparalleled efficiency. Enhance your workspace with a unique and effortless user experience.

Combine multiple TFL10 lifting columns with the TC control box series to create tailored solutions that meet the demands of specific project requirements. Providing synchronized movement that's fast, smooth, and quiet, the TFL10 delivers a superior lifting experience.

TFL10 features a three-stage telescopic structure and rectangular profile. By selecting the unique XL long-stroke specification, it combines a compact installation dimension while allowing maximum travel distance, making it ideal for TV stands or similar specialized needs.

#### Note

<sup>1</sup> FastRise high-speed column for quick height adjustment

<sup>2</sup> XL long-stroke version available

## Features

- Load and speed per column<sup>12</sup>

Code	Load (N)	Self Locking Force (N)	Current (A) with 29V DC		Speed (mm/s) with 29V DC	
	Push		No Load	With Load	No Load	With Load
<b>F</b>	500	500	5.0	9.0	110.0	81.0

- Retracted length 590 / 560(M) / 520(S) / 800(XL) mm
- Stroke 650/ 660(M/S) / 1000(XL) mm
- Outer profile 80\*60mm rectangular
- Stages 3-stage
- Output signals Hall sensors, Pressure sensor + Hall sensors
- Voltage 24V DC
- Color<sup>3</sup>

 RAL9005
  RAL9006
  RAL9016
  RAL9022
- Product Weight 9kg /column

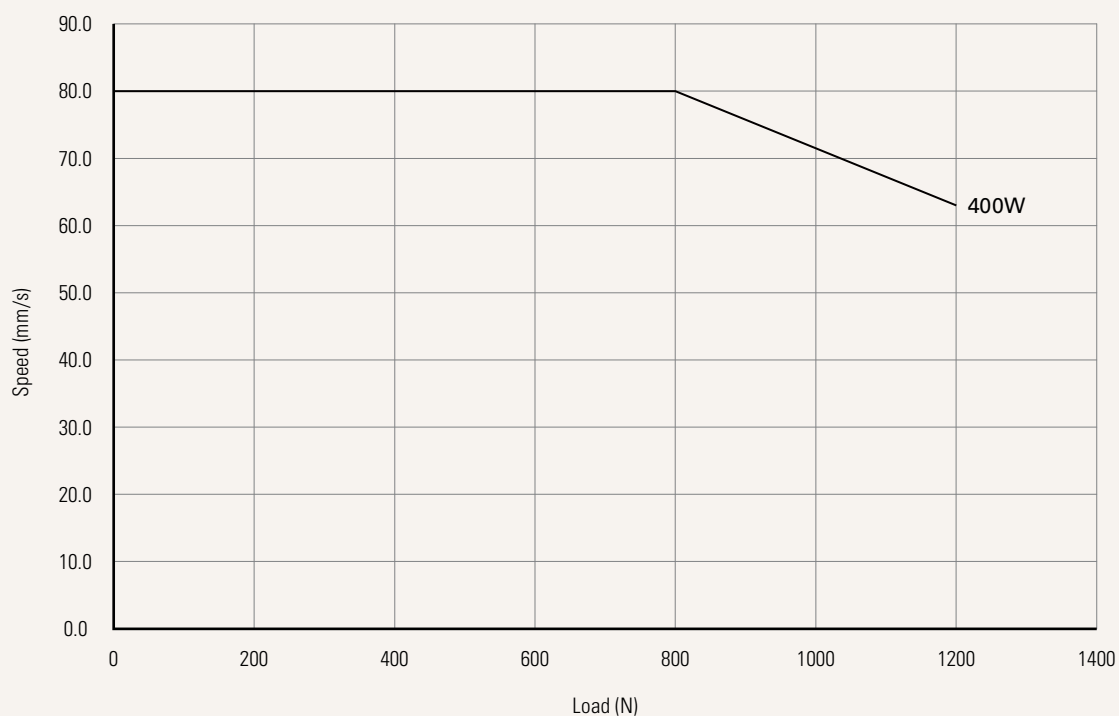
## Note

- <sup>1</sup> The self locking force, current, and speed performance are tested with TiMOTION control boxes.
- <sup>2</sup> The parameters are based on average test values; final specifications are subject to the approval drawings.
- <sup>3</sup> For more color options, please consult your sales representative.

## Performance Data with Control Box

The following is the performance data of two columns driven by an Ergo Motion control box TC15F. The load is evenly distributed on the work surface.<sup>4</sup>

- TFL10, two columns driven by TC15F



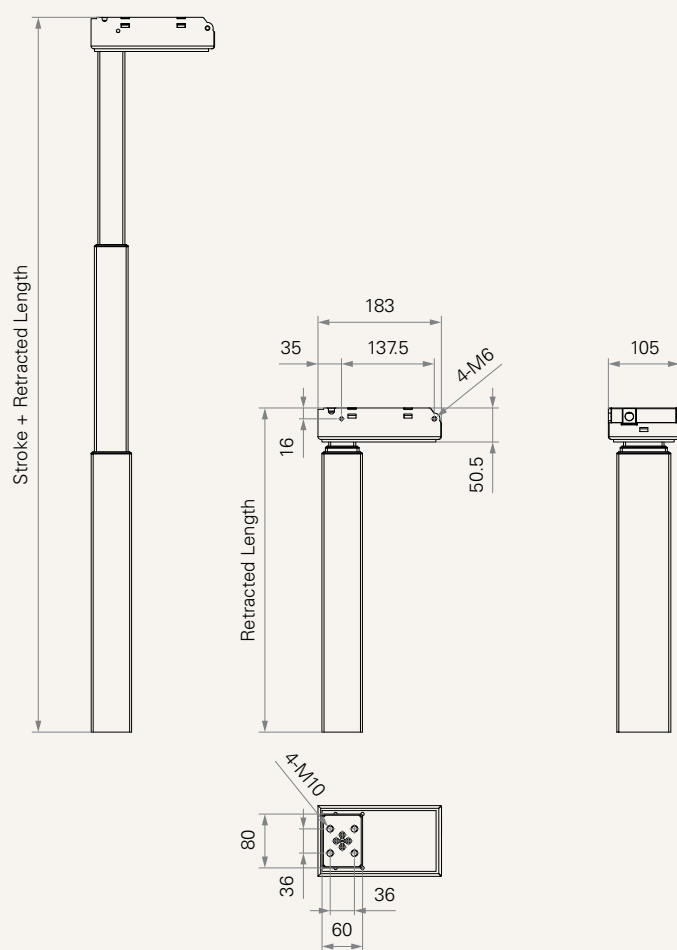
TC15F Spec	Load (N)	Constant Speed (mm/s) with TC15F
400W	1200	80

### Note

<sup>4</sup> The corresponding control box software is required.

## Drawing

Standard Dimensions  
(mm)



### Stroke & Retracted Length

Options	Stroke (mm)	Retracted Length (mm)
Standard	650	590
M	660	560
S	660	520
XL	1000	800

## TFL10

Version: 20240522-C

<b>Appearance of Motor House</b>	C = TiMOTION standard			
<b>Voltage</b>	2 = 24V DC			
<b>Load and Speed</b>	<a href="#">See page 2</a>			
<b>Stroke &amp; Retracted Length (mm)</b>	<a href="#">See page 4</a>			
<b>Color</b>	1 = Black, RAL 9005	2 = White, RAL 9016	3 = Grey, RAL 9006	4 = Special grey, RAL 9022
<b>Wiper Color</b>	1 = Black	2 = White	3 = Grey	4 = Matte black
<b>Bracket</b>	0 = Without			
<b>Bottom Plate Type</b> <a href="#">See page 6</a>	1 = M10, 36*36, TiMOTION standard		2 = M6, 58*34	
<b>Bottom Plate Height</b>	1 = Standard		2 = Extended outer tube for shoe	
<b>Output Signals</b>	2 = Hall sensor * 2		5 = Pressure sensor + Hall sensor*2	
<b>Connector</b>	1 = DIN 6P, 90° plug E = Molex 8P, 180° plug, standard		F = Molex 8P, 90°plug, without anti-clip, for TC22/TC23	
<b>Cable Length (mm)</b>	1 = Straight, 500	3 = Straight, 1000	4 = Straight, 1500	

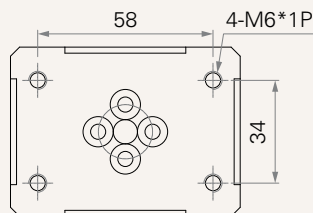
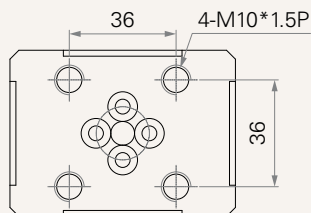
### Note

1 The TL is designed especially for push applications, not suitable for pull applications.

## Bottom Plate Type (mm)

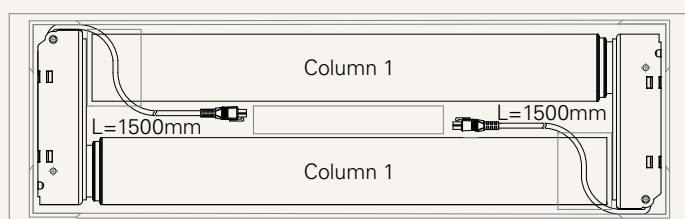
1 = M10, 36\*36, TiMOTION standard

2 = M6, 58\*34



## Package

Package of one TL part number

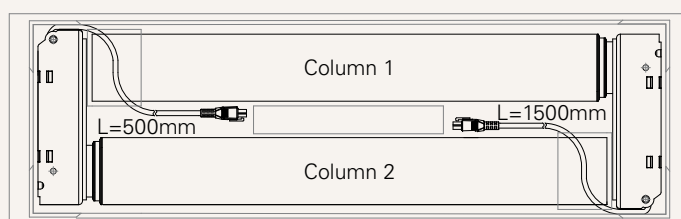


Column: 2pcs TL/box (Same PN& cable length)

Electronic control system: Without

Weight with package: 16KG

Package of two TL part numbers in pairs

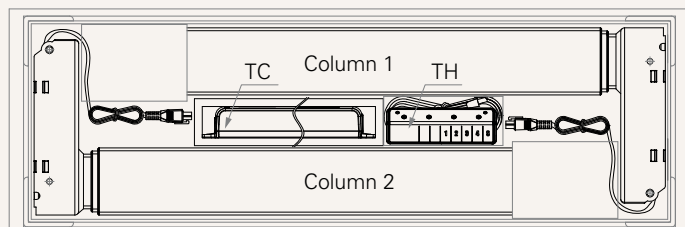


Column: 2pcs TL/box (Different PN, cable length, for pair use)

Electronic control system: Without

Weight with package: 16KG

Package of MP part number set-TL in pairs + electronic control system



Column: 2pcs TL/box (Different PN, cable length, for pair use)

Electronic control system: TC + TH

Weight with package: 17KG

## Terms of Use

The user is responsible for determining the suitability of TiMOTION products for a specific application.  
TiMOTION products are subject to change without prior notice.